

KE2100 REFERENCE GUIDE

1 Functions

1.1 Speaker

Press SPEAKER on the phone to have a hands free call, press SPEAKER again to hang up or pick up the handset to have a normal call.

1.2 Date and Time display

After you set the SNTP (synchronized to the Internet), time zone or use local time date and time setting, date and time will show on the screen.

1.3 Call Duration display

1.4 Work as router/ bridge

This terminal can work as a family router/ bridge, please select the type of the network as you want.

! Note: We recommend you use it as a secondary router.

1.5 Volume Adjust

You can set output volume of speaker or handset by ←/→.

1.6 Phone book

After you set contact list, press **PHONEBOOK** on the phone, then you can check the list by name or press SET/OK again to check them one by one. After you select one, pick up the handset or press CALL to dial out.

To set it: LCD programming: Phone book; Web page programming: Phone Book → Phone Book.

1.7 Call list

Press CALLLIST, then you can check the Incoming calls and Dialed numbers.

1.8 Speed dial

Press M1~M8 to dial the number you set in there.

How to set it: LCD programming: Press number and then press M1~M8 and SET/OK.

NOTE: If *97 is preset in M8, you can press M8 as voicemail button for Asterisk or EPBX system. If *8 is preset in M7, you can press M7 as pickup button for TrixBX Asterisk or EPBX system.

1.9 Melody selection

How to set it: LCD programming: Phone Book → Speed Dial; Web page programming: Phone Book → Speed Dial Settings.

1.10 Dial Plan

How to set it: Web page programming: Phone Settings → Dial Plan Settings:

Dial now:

Name	Digits for matching	Operation	Digits for operation
Digit Map1		drop number	
Digit Map2		drop number	
Digit Map3		drop number	
Digit Map4		drop number	

Auto Dial Time: (3~9 sec)

Use # as send key: Yes No

Use * for IP dialing: Yes No

PART A PART B PART C

PART A: can set a number use for matching. If device find the number is the same with the prefix of your input number, it can use PART B and PART C to change your number and then dial out.

PART B has the selection of:

Drop number: delete the number in PART A

Replace number by: use PART C to take place of the number in PART A

Disable

You can use following special characters in Part A or Dial now:

+ : You can use it in the left blank to describe more than 1 prefix rule in Place B. Example: 88+77 in Place B means the number which has 88 or 77 as the prefix can be changed.

x : It can use to act as a number from 0~9. in Place B and Dial now. Example 1: 87xxxxx in Dial now means a number 87xxxxx will be send out automatically. Example 2: 5xxx in Place B means a number 5xxx can be changed.

Dial Now	If the number you dialed is the same with the number which you entered in the left blank, it will be automatically send out ! Note: 0 cannot be set as the first character.
Auto Dial Time	Use for auto dial out if your haven't any new input within this period
Use # as send key	If select it, press # to dial out, if not select, you should wait for the auto dial time to dial out
Use * for IP Dialing	To let * as .(DOT), when you want to dial a IP you need to select it

1.11 Hot line

How to set it: Web page programming: Phone Setting→ Hot line Settings.

The device will send out the number you set after you picked up the handset or use hand free model without any incoming call.

1.12 Wake up alarm

How to set it: Web page programming: Phone Setting→ Alarm.

The device will auto ring when reached the time you set here.

2 Service Features

! Important Note: These features need your VoIP service provider's support.

2.1 Caller ID display

When there is a incoming call, the screen will show you the caller ID.

2.2 Call Forwarding

Please set this function in web page: Phone Setting→ Call Forward.

Unconditional Call Forward: The incoming call will always forward to the destination number.

No Answer Call Forward: The incoming call will forward to the destination number if there is no answer within the time you have set.

Busy Call Forwarding: The incoming call will forward to the destination number if there is a call.

2.3 Call Hold / Retrieve

Operation: While on a call, press 'HOLD' button on the phone then the call will be on hold, you can dial the new number. To retrieve the previous call just presses it again. When the call is on hold, caller and callee can not hear voice.

2.4 Second line and switch line

When the call is on hold, dial number and # to make a second line call. Press HOLD key can switch line to the other one.

While you are on 2 calls, to cancel one call: you can hang up this call and pick up, then press 'HOLD' to back the other call.

2.5 Call Transfer

- Attendant Transfer

Operation: While on a call, press 'XFER' button then input the destination number and '#', after the destination pickup the call you can hung up, then the call will be transferred.

If the destination is not available, you can pick up handset and press 'HOLD' to back to original call.

- Blind Transfer

Operation: While on a call, press 'XFER' button then input the destination number and 'XFER', then the call will be transferred. Please wait till you heard the busy tone then you can hang up.

2.6 3-way calling

Operation1: While on a call, press 'CONF' then input the 3rd party's number and '#', after the one pickup the call, the 3-way calling begin.

Operation2: While on a call. press 'HOLD' then input the 3rd party's number and '#', after the one pickup the call, press 'CONF' to begin 3-way calling. Or, you can see

chapter 2.4.

2.7 Call waiting/Answer the waiting call

When on a call and a new call comes in, you will hear the call waiting tones. Press the 'HOLD' key to pick up the new call.

2.8 MWI

When there is an unread message on the server, the device will get a signal from server and you will see the information 'Unread Messages' on the screen.

2.9 Multiple lines

You can set 3 different accounts and server information into the device. When the device is idle, pick up the handset, press 1*, 2*, 3* to select the 1st, 2nd and 3rd line,

then pick up the handset or press 'SPEAKER' key, and you will be speaking on the chosen line.

1st account is the default one after a reboot.

2.10 VoIP: Do not disturb

You can set in the web page: Phone Setting → Do Not Disturb Settings. If you set it on, all incoming calls will be cancelled. You can set this feature for a specific block of time. If the end time is earlier than the begin time, it means the DO NOT DISTURB duration will from beginning time to next day's end time.

You can press 'HOLD' when the phone is idle, the screen will show you #DND#, and the phone now is in DO NOT DISTURB status. Press 'HOLD' again when the phone is idle and it will change the phone to normal status.

3 Upgrade

Note: The new version may request you restore default settings, you may lose all the settings in the device especially including account and server information.

How use **Restore default settings**: LCD programming: Administrator → Default Setting; Web page programming: Update → Default Settings.

3.1 Local update

Put the new version file to your C:\ of your PC.

A. If the version file is a *.gz file, use your IE explorer to open the upgrade web page: **http://x.x.x.x(your device IP)**, use normal user account login and go to the menu: **Update → New Firmware**. In 'Method', select Local PC, in 'Codec Type', Select Risc. And then select the new firmware, then click 'Update' button.

Please keep the power on and do not change WEB page till it reboot automatically. Then upgrade is OK.

B. If the version file is a *.rom file, use your IE explorer to open the upgrade web page: **http://x.x.x.x(your device IP)**, use root account login then change the URL to: **http://x.x.x.x(your device IP)/update.htm**, select Update type as 'ALL ROM' and the new version file to update.

Please keep the power on and do not change WEB page till it reboot automatically. After that, you should **Restore default settings**.

3.2 Remote upgrade

If this terminal has been pre-set the upgrade server address, it will automatically check new version from the server. If there is a new version, it will show the message on LCD and you can press 'SET/OK' to upgrade, or press other keys to ignore.

After it restarts, the phone will check new version again.

Warning: Do not let your device lose power during the upgrading process, or it may be damaged!

4 Safety Warning

Safety Warning: Please do not place this product near fire or high temperatures. Avoid any heavy impacts, and do not leave the product in rainy or highly humid environments! Do not touch the exposed metal component of the device.

